

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 3-31-60

OW _____ WW _____ TA _____

GW _____ OS _____ PA ✓

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 4-14-60

Electric Logs (No. 1) 3

E _____

E-I ✓

GR _____

GR-N _____

Micro ✓

Lat _____

Mi-L _____

Sonic _____

Others Drill Rate - Mud
Analyses - Cuttings

Scout Report sent o

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or
operations suspended

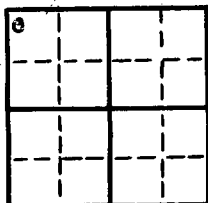
Pin changed on location map

ADJ level and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed



STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
 SALT LAKE CITY, UTAH

Fee and Patented.....☐
 State☐
 Lease No.
 Public Domain☒
 Lease No. SL 071857A
 Indian☐
 Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill..... Notice of Intention to Change Plans..... Notice of Intention to Redrill or Repair..... Notice of Intention to Pull or Alter Casing..... Notice of Intention to Abandon Well.....	<input checked="" type="checkbox"/> 	Subsequent Report of Water Shut-off..... Subsequent Report of Altering Casing..... Subsequent Report of Redrilling or Repair..... Supplementary Well History.....	
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(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

"Raven Ridge Unit" February 1, 1960
 Well No. 2 is located 660 ft. from N line and 660 ft. from W line of Sec. 18
NW 1/4 18 7 S 25 E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Exploratory Utah Co. Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5710 feet.

A drilling and plugging bond has been filed with U. S. G. S.

DETAILS OF WORK — CONFIDENTIAL

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

It is proposed to drill an exploratory well to test the upper 200 feet of the Wasatch formation. If production is indicated, will run 5" casing as production string and cement above productive zones.

A surface string at 225 feet will be cemented from bottom to surface and equipped with blow out prevention equipment. All showings of oil or gas will be tested for commercial production and will be properly protected

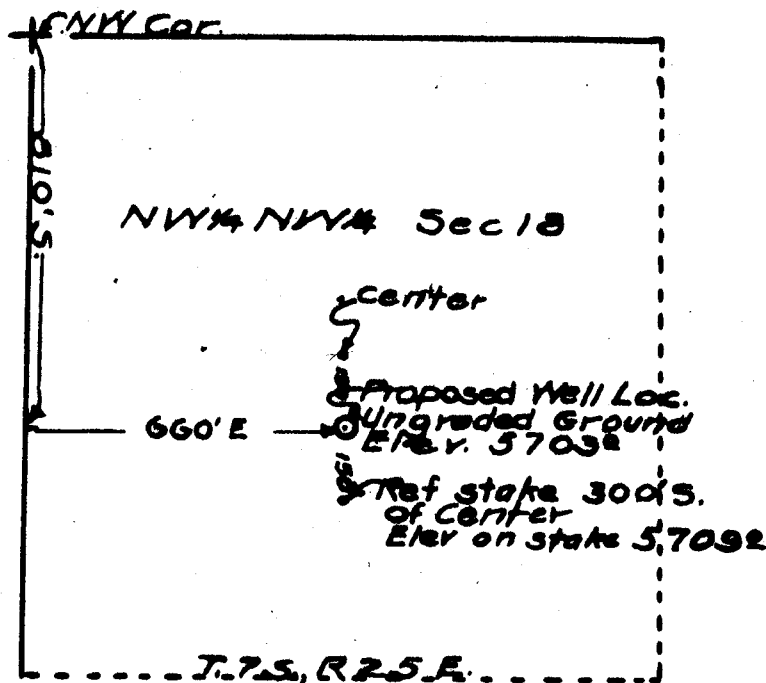
Oral approval received by Elmo W. Adams from Mr. C. B. Feight, Febr. 1, 1960
 I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company PEXCO, INC. (Attention D. J. Pickrell, President)
 Address 155 Montgomery St. By Elmo W. Adams
San Francisco 4, Calif. Title geologist

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

PLAT SHOWING PROPOSED LOCATION OF THE PEKCO, INCOR-
PORATED WELL IN THE SW $\frac{1}{4}$ OF THE NW $\frac{1}{4}$, SECTION 18, TOWN-
SHIP 7 SOUTH, RANGE 25 EAST, SALT LAKE BASE AND
MERIDIAN.

Scale 1" = 400 feet.



I, Leon P. Christensen of Vernal, Utah, do hereby certify that this plat correctly shows the location of the well shown hereon as surveyed and levels run on January 13, 1960; that said proposed well is located at a point 810 feet South and 660 feet East of the Northwest corner Section 18, Township 7 South, Range 25 East. Salt Lake Base and Meridian.

Leon P. Christensen
Prof. Engr. and Land Surveyor

OIL AND GAS CONSERVATION COMMISSION

AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: --The method and procedure for plugging a well shall be as follows:

- (a) The bottom of the hole shall be filled to, or a bridge shall be placed at the top of each producing formation open to the well bore, and in either event, a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible,
- (b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.
- (c) A plug shall be placed at or near the surface of the ground in each hole.
- (d) The interval between plugs shall be filled with heavy mud-laden fluid.
- (e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Exploratory - East of Red Wash Field County Uintah

Lease Name SL 071857-A Well No. 2 Raven Ridge Unit Sec. 18 Twp. 7S R. 25E

Date well was plugged: March 31, 19 60.

Was the well plugged according to regulation of the Commission: Yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing).

Datum used for depths shown is K. B., which is 10' above ground surface. Total depth 5000', 10-3/4" 32.75# csg. cemented 269'. 7-7/8" hole. Cement plugs: 80 sacks 4670'-4910'; 67 sacks 2100'-2300'; 50 sacks 320-210'. A plug from surface to 15' below surface with 4" pipe marker 4' above surface has been placed in surface of 10-3/4" casing in conformity with USGS regulations. Pits have been filled and location has been cleaned up. The hole is filled from bottom to top with mud weighing about 9.6# per gallon except for the cement plugs noted.

Operator REXCO, INC. by E.B. Mays

Address E. B. Mays, Petroleum Engineer

155 Montgomery Street

San Francisco 4, California

AFFIDAVIT

STATE OF ~~UTAH~~ COLORADO

COUNTY OF DENVER

Before me, the undersigned authority on this day personally appeared E. B. Mays, known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein, and that said report is true and correct.

Subscribed and sworn to before me this 24 th day of January, 19 61.

My Commission Expires: My Commission expires March 10, 1963

Elaine Reed
NOTARY PUBLIC

INSTRUCTIONS: Complete this form in duplicate.

February 4, 1960

Pexco, Inc.
155 Montgomery Street
San Francisco 4, California

Attention: D. J. Pickrell, President

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Raven Ridge Unit 2, which is to be located 660 feet from the north line and 660 feet from the west line of Section 18, Township 7 South, Range 25 East, SLBM, Uintah County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:ep

cc: D. F. Russell, Dist. Eng.
U. S. Geological Survey
Salt Lake City, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City
LEASE NUMBER SL 071857-A
UNIT Raven Ridge

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Uintah Field Exploratory

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1960,

Agent's address 1003 Continental Bank Bldg. Company PEXCO INC.
Salt Lake City, Utah

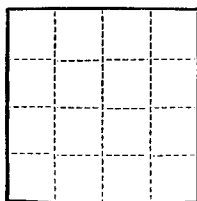
Phone EL-9 7771 Signed [Signature]
Agent's title Utah agent

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
18 NW¼ NW¼	7S	25E	Raven Ridge Unit No. 2							Feb. 29th Testing surface casing & BOPE. TD 270' 10-3/4" C 269'

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. SL 071857-A
Unit Raven Ridge

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		
<u>Report on Surface casings & correction location & elevation</u>		<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 2, 19 60

"Raven Ridge Unit"

Well No. 2 is located 810.5 ft. from N line and 8 ft. from E line of sec. 18

NW 1/4 NW 1/4 Sec. 18

7S

25E

SLM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Exploratory
(Field)

Utah
(County or Subdivision)

Utah
(State or Territory)

Kelly bushing

The elevation of the ~~derrick floor~~ above sea level is 5712 ft. 10 ft. above ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded Feb. 22, 1960. Drilled 15" hole to 270'. Ran 8 joints 10-3/4" 32.75# used casing to 269'. Shoe and bottom two collars spot welded. Cemented with 200 sacks construction cement, last 150 treated with 2% Ca Cl. Top plug displaced to 244' at 2:50 P.M. Feb. 24th. About 12 sacks cement returns to surface. Installed BOPE. At 12 noon Feb. 25th applied 550# pressure. Broke down and took fluid at 100#. Pumped down Halliburton plug with wire line stopped at 83'. Pumped in 50 sacks cement followed by plug to 66'. Complete 7:45 P.M. Feb. 25th. At 8:A.M. Feb. 26th applied pressure, put away fluid at below 200#. Found top plug at 75'. Pumped in 100 sacks of cement, treated 3% HA-5 and 2% Magcogel. Pumped plug to 46'. Tested on Feb. 27th, would not hold. Drilled out plugs and hard cement to 90'. Pumped in 150 sacks of cement, 100 sacks of Calseal. Initial pressures 500#. Final 200#. Job complete 4:45 P.M. Feb. 29th. March 1st. cleaned out plug and applied 500# pressure. Put away fluid at 500#. Mixed lost circulation material. Put away 20 ~~more~~ barrels at pressures Company to 800 lbs. Released pressure. Applied 475# pressure, held O.K. 50 Min. Made second pressure test 450#. Held O.K. 20 min. Cleaned out plugs. Found shoe Address at 269. Commenced drilling ahead 2:P.M. Mar. 1st.

PEXCO INC.

155 Montgomery Street

San Francisco, 4, California

By

Elmo W. Adams

Title Representative

ELMO W. ADAMS
CONSULTING GEOLOGIST
747 WINCHESTER DRIVE
BURLINGAME, CALIFORNIA
DIAMOND 3-6652

March 11, 1960

Utah Oil & Gas Conservation Commission

Mr. Don F. Russell, District Engineer
Conservation Department
U. S. Geological Survey
457 Federal Building, Salt Lake City, Utah

PEXCO, INC.
RAVEN RIDGE UNIT #2
USL-SL 071857 A

Dear Mr. Russell:

Mr. H. Byron Mock, Agent for Pexco, Inc., recently delivered to you a report on subject well covering surface casing and corrected location and elevation. You requested copies of corrected location plat.

I believe that two copies of the corrected location plat were filed with you some time ago. Nevertheless, herewith for your files two additional copies. The terrain is of such nature that it was possible only at great expense to locate subject well in the center of the 40 acres. I believe that the variance was discussed with you personally by the writer.

Under cover of this letter I am also sending two copies of the plat to Utah State Oil and Gas Conservation Commission and one copy to Mr. Mock for his files.

I trust that this material is in order and acceptable to you.

Sincerely,



Elmo W. Adams
Geologist and Petroleum Engineer for Pexco, Inc.

EWA:em
Enclosures

cc: Utah State Oil and Gas Conservation Commission
Mr. H. Byron Mock

March 13, 1960

**Mr. Elmo W. Adams,
Geologist & Engineer
747 Winchester Drive
Burlingame, California**

**Re: Pemco, Inc. - Well No. Raven Ridge Unit 2,
Section 18, Township 7 South, Range 25
East, SLEM, Uintah County, Utah**

Dear Mr. Adams:

This is to acknowledge receipt of the copy of your letter of March 11, 1960, addressed to Mr. Ben F. Russell, U. S. Geological Survey, and the attached surveyor's plat showing your change of location for the above mentioned well.

Insofar as this office is concerned, the change of location as shown on your surveyor's plat is hereby approved.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

**CLEON B. FRIGHT
EXECUTIVE SECRETARY**

CHF:cc

cc: D. F. Russell - U.S.G.S.

Mr. H. Byron Mack, Atty

Pemco, Inc.

San Francisco 4, California

ELMO W. ADAMS
CONSULTING GEOLOGIST
747 WINCHESTER DRIVE
BURLINGAME, CALIFORNIA
DIAMOND 3-6652

March 21, 1960

Mr. C. B. Feight

Mr. D. F. Russell, District Engineer
Conservation Divn., U.S. Geological Survey
457 Federal Bldg., Salt Lake City, Utah

Pexco, Inc. "Raven Ridge Unit" #2
Section 18-7S-25E, Uintah County
U.S. Lease SL 071857-A

Dear Mr. Russell:

Confirming our phone conversation of March 19th please be advised that subject well is being drilled "tight". No information is to be released on any operations except thru Pexco, Inc.

The drilling contractor has been instructed to furnish you or your representative and the representatives of Utah Oil and Gas Conservation Commission with information on the well, its operation, etc. whenever said representatives identify themselves at the well. The writer or Mr. Ed Mayes, as representatives of Pexco, expect to be at the well or in the vicinity thereof from now on while the well is drilling at critical depths and during any completion operations. We can be reached at the well, mobile telephone Vernal YJ 8-6424 and will be staying at Hotel Vernal, phone 560.

As your records show, Mr. H. Byron Mock, attorney, 1003 Continental Bank Building of Salt Lake City, phone Elgin 9-7771, is authorized agent for Pexco. Pexco's San Francisco office, 155 Montgomery Street, phone Exbrook 2-2270, president D. J. Pickrell residence San Mateo, California, phone Diamond 3-4920. Pexco's Denver office, phone Acoma 2-9521, Mr. Ed Mayes, engineer, residence Skyline 6-0953. Writer's residence phone is San Mateo, California Diamond 3-6652.

An extra copy of this letter is being furnished you for files of your Casper office, if needed.

A copy of this letter is being sent to Mr. C. B. Feight, Executive Secretary, Utah Oil and Gas Conservation Commission, 310 Newhouse Building, 10 Exchange Place, Salt Lake City, Utah for the information of that agency.

Writer contacted Mr. Gaylon Watts, Superintendent at Craig, Colorado for Western Drilling Company, the drilling contractor on subject well and advised him of your demand that a safety escape rope and "geronimo" escape device be installed at the rig immediately. Mr. Watts advised that this equipment is available and will be on the well by March 21st if it is not already in place. Mr. Watts will also advise the drilling personnel at the well to make drilling records available to USGS and State Oil and Gas Conservation Commission representatives upon proper identification of said representatives.

I am sorry that you had to go to so much trouble in trying to contact us in connection with the above matters. I assure you that we greatly appreciate your cooperation in connection with these events.

Sincerely, *Elmo W. Adams*

Elmo W. Adams

cc: Mr. C. B. Feight
Mr. D. J. Pickrell
Mr. Ed Mayes

March 22, 1960

Pexco, Inc.
155 Montgomery Street
San Francisco 4, California

Attention: Mr. Elmo W. Adams,
Representative

Re: Well No. Raven Ridge Unit 2,
NW NW 18-7S-23E, SLEM, Uintah
County, Utah

Gentlemen:

On your notice of intention to drill for the above mentioned well filed with this office on February 3, 1960, the "details of work" were labelled "CONFIDENTIAL".

As you know, Rule C-5(b) of our rules and regulations provides that the well log on a well may be held confidential for four months after the date of filing, if so requested. Inasmuch as you marked your notice of intention to drill "confidential", will you please advise us if all information submitted on the well is to be held confidential for the time allowed.

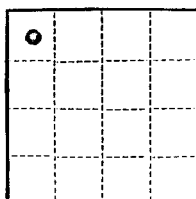
We are enclosing a sheet which states the procedure that should be followed when submitting "confidential" information.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:co
Encl.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. SL 071857-A
Unit Raven Ridge

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 30, 1960

Raven Ridge Unit

Well No. 2 is located 810.5 ft. from N line and 10 ft. from E line of sec. 18

NW 1/4 NW 1/4 18 7 S 25 E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Exploratory Utah Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the KB derrick floor above sea level is 5712 ft. 10 ft. above ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth 5000'. 10-3/4" 32.75# cmtd 269'. Spud in Uinta Fm. Uinta-Green River contact 2208'. G.R. - Wasatch contact 4773. 7-7/8" hole DST 4860-90
Propose: Fill hole with 9.7# mud. Plug with cement 4670-4940, 2100-2300, and 210-320'. Place cement plug 15' long in 10-3/4" from 1' to 16' below surface of ground, with 10' piece of 4" pipe imbedded therein, standing 4' above surface of ground and with Operator's name, well no., lease no., quarter section, T. and R. inscribed on said pipe. Above work expected to be completed March 31. As soon thereafter as practicable, grounds will be cleaned up and pits covered. etc.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PERCO, INC.

Address 155 Montgomery Street

San Francisco 4, California

Exbrook 2-2270

By Elmo W. Adams
Title Geologist

April 4, 1960

Elmo W. Adams,
Consulting Geologist
747 Winchester Drive
Burlingame, California

Dear Mr. Adams:

Enclosed you will find a copy of instructions regarding all confidential records sent us. Recently we received information from you concerning your well Raven Ridge Unit 2 and "confidential" had not been placed anywhere on the material.

To help prevent any possible mistakes in handling or labeling of confidential records, in the future will you please take the enclosed precautions.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT,
EXECUTIVE SECRETARY

CHP:avg
Enclosure (*See letter*)
cc: Pease, Inc.
155 Montgomery Street
San Francisco 4, California

auth
(In lieu of Form 9-330)

LOG, HISTORY AND ABANDONMENT REPORT

PROPERTY Land Office: Salt Lake City

Lease No. : SL 071857-A

Unit : Raven Ridge

OPERATOR PEXCO, INC. address 155 Montgomery Street
San Francisco 4, Calif. phone Exbrook 2-2270
FIELD Exploratory well 3 miles east Red Wash Field
WELL NO. 2 Raven Ridge Unit (11-18-G)
LOCATION 810.5 ft. south of North line and 660 ft. east of West line
SECTION 18, TOWNSHIP 7 South, RANGE 25 East, S.L.M.
Uintah County, Utah.
ELEVATION 5712 ft. above sea level, Kelly Bushing datum for all depth shown.
Ground 5702 ft.
TOTAL DEPTH 5000 ft.

Following is a complete and correct record of all work done on this well.

DATE OF REPORT April 1, 1960

Elmo W. Adams
Elmo W. Adams, Geologist for Pexco, Inc.

SUMMARY

WORK DONE BY Western Drilling Company. Rotary tools.
COMMENCED DRILLING February 22, 1960
COMPLETED ABANDONMENT OPERATIONS March 31, 1960
PRODUCTION RECORD No production.
CASING RECORD 10-3/4" 32.75# cemented 269 ft.
CEMENT PLUGS ~~Surface - 15 ft.~~, 210-320 ft., 2100-2300 ft.,
and 4670-4940 ft. *See p. 5 for surface plug.*
FORMATION TOPS Spudded in Uintah
Green River 2208 ft.
Wasatch 4773 ft.

Exploratory hole, t. d. 5000 ft., plugged and abandoned March 31, 1960.

WELL NO. 2 RAVEN RIDGE UNIT, Sec. 18-7S-25E, Uintah Co., Utah

Western Drilling Company (of Lubbock, Texas), Sid Lane pusher, moved in their rig number 17, rotary tools, and commenced drilling 12 noon February 22, 1960. Drilled 15" hole to 270'.

Ran 8 joints 10-3/4" 32.75# 8 round thread used casing to 269'. Halliburton cement shoe and collars on the bottom three joints spot welded. Running operation required some driving and twisting of first 6 joints. Collar of 8th joint at 18 inches below ground level supported by setting joint during cementing operations. Established circulation easily.

February 24, 1960. Cemented with 200 sacks construction cement, last 150 treated with 2% CaCl. One top plug displaced to 244' at 2:50 p.m. Estimated 12 sacks plus cement returns to surface. Installed BOPE equipment.

February 25. At 12 noon, with blind rams closed, applied 550# pressure to BOPE and casing. Broke down and took fluid at 500#. Went in with 7-7/8" bit, found hard cement at 244'. Pumped down Halliburton plug with wire line to 83'. Collar is at 77'. Put fluid away at less than 100#. Indicated hole in casing above 83' (Probably split due to wire line scoring when casing used in cable tool operations.)

February 25. Pumped in 50 sx construction cement treated with 3% HA-5. Pumped plug to 66' at 7:45 p.m.

February 26. Applied pressure. Put away fluid at 200#. Found plug at 75'. Pumped in 100 sx cement treated with 2% Magcogel and 3% HA-5. Pumped plug to 46' at 4:50 p.m.

February 27. Applied 600# pressure. Broke down almost immediately. Noted samples of previous squeeze job not firmly set after 24 hours. With 7-7/8" bit drilled out plugs to 56'. Cement hard at this depth.

February 28. Drilled out hard cement 56'-86'. Cleaned out to top of plug at 244'. At 10:30 p.m. applied pressure with rams closed around drill pipe. Hole took fluid at 500#. With Halliburton equipment started putting away fluid at 500# to 600# at about 2 barrels per minute rate. Would not hold pressure. After again putting away fluid several minutes, pumping pressures dropped to about 200#, putting away fluid 3 to 4 barrels per minute. Mixed and pumped in 150 sacks cement and 100 sacks Calstal (high gypsum cement). Final pumping pressure 200#. Pumped plug down to 26' at 4:45 a.m. February 29.

February 29. At 4:45 p.m. went in hole with 7-7/8" bit. Found plug at 26'. Drilled hard cement to 48'. Cleaned out hole to 240'. At 9 p.m. closed drill pipe rams, put away fluid at 400 to 500#. Mixed up 120 barrels lost circulation material: 42 sacks Magcogel, 10 sacks Cellseal, 15 sacks Chipseal, 16 sacks Magco Fibre and 10 sacks Fibreseal.

March 1. Put away about 20 barrels of lost circulation material at pressures starting at 400# and final 800# with blind rams closed. Released pressures. Applied 475# pressure, held OK 50 minutes. Released pressure. Applied 450# pressure, held OK 20 minutes. Went in hole with 7-7/8" bit. Drilled out hard cement 244'-269'. Checked 10-3/4" casing shoe at 269'. Started drilling in formation at 2 p.m. 7-7/8" hole.

WELL NO. 2 RAVEN RIDGE UNIT, Sec. 18-7S-25E, Uintah Co., Utah

March 1, 1960 (continued)

Log: - 0 - 10 KB to ground surface
 10 - 1120 Red clay and sandy mudstone, occasional 1'-6' thick hard sandstone
 1120 - 1540 Variegated colored shale, siltstone, and mudstone, with occasional streaks of sandstone. Considerable chert in samples.
 1540 - 2060 Variegated colored to gray shale, with few sandstone streaks.
 2060 - 2340 Greenish-gray shale with increasing sandstone streaks. Top Green River formation at 2308 based on e-log character.
 2340 - 2380 Sandstone with oil shows.
 2380 - 2393 Shale with streaks sandstone and dolomite.

March 5. While drilling at 2393, stuck drillpipe 9 p.m. Spotted 50 barrels of diesel oil in two batches. Worked pipe free March 6, 7:30 a.m. Drilled ahead. This section of hole 2380-2645 required considerable reaming on several trips with the drill pipe.

Log: 2393 - 2645 Shale with sandy streaks and streaks of limestone with some dolomite.
 2645 - 2885 Shale with occasional sand streak. Oil show 2815-25.
 2885 - 2910 Sand very fine, tight, oil shows in samples. Good Gas show on gas detector.
Micro-log indicates no permeability.
 2910 - 3075 Shale with sand streaks.
 3075 - 3500 Sandstone with shale streaks. Few small oil shows in samples.

March 15. While drilling at 3321 lost bottom drill collar and bit due to break of d.c. pin. Recovered OK. While drilling at 3343 lost bottom 2 drill collars and bit due to twist off of d.c. pin. Recovered 2nd fish on March 16. Note that rig repairs required considerable time, including about 80 hours March 7-10, about 50 hours March 12-14, and about 20 hours March 16-17.

Log: 3500 - 3750 Sandstone with occasional streaks of shale.
 3750 - 4300 Shale
 4300 - 4514 Shale with sandstone streaks increasing. Small oil show in cuttings 4495-4510.

March 24. Ran Schlumberger induction-electrical log to 4512' and micro-log 2000-4514' for correlation purposes.

4514 - 4675 Shale with minor streaks of sandstone and limestone.
 4675 - 4770 Limestone with minor sandstone and shale streaks. Green River-Wasatch contact placed at 4773 on basis e-log.
 4770 - 4795 Shale with occasional sandy streaks and important sandstone streaks.

WELL NO. 2 RAVEN RIDGE UNIT, Sec. 18-7S-25E, Uintah Co., Utah

March 27. Core #1 4795-4840 with Christensen barrel and 7-3/4" diamond bit, recovered 34' out of 45' cored. Portion not recovered described on basis of drilling time rate and location of a connection made.

Log: 4795 4" of shale, gray-brown, laminated few fish scales and bones.
 4795 - 4796 Mudstone, dk. brown to purple, massive, well indurated, calcareous in part.
 4796 - 4800 Claystone, gray to gray-green, massive, well indurated.
 4800 - 4809 Mudstone, variegated purple, red-brown, splotches yellow-green, massive, soft to medium hard, recovered as nodular fragments, flakes, and fragments.
 4809 - 4820 Not recovered.
 4820 - 4823 Claystone, somewhat silty, variegated greenish to dark purple with brown splotches, massive, well indurated. The purplish portions are eroded to a nodular surface.
 4823 - 4827 Sandstone, light gray to greenish gray, massive, well indurated, difficultly friable. Very fine grained quartz, sub-rounded, few dark grains, matrix clayey. Appears non-porous. No stain, odor nor cut. No fluorescence. Sample at 4926 analyzed 10.8% porosity, 1.2 millidarcys.
 4827 - 4835 Sandstone, light gray, massive, well indurated. Slightly friable. Very fine to fine grained, sub-rounded quartz, fairly well sorted. Abundant clayey interstitial material. Appears to have low porosity, no permeability. No stain, odor nor cut. No fluorescence. Similar to 4923-27 but tighter.
 4835 - 4837½ Muddy siltstone, splotchy light gray to dark gray, with few scattered patches white calcareous material. Massive in general, with some "slump" bedding. Fairly well indurated. Calcareous patches have a mineral fluorescence.
 4837½ - 4839 Sandstone, light gray, massive, well indurated, somewhat friable. Very fine, sub-rounded quartz grains with abundant clayey interstitial material. Sample analyzed 6.3% porosity, 0.0 millidarcys permeability.
 4839 - 4840 Mudstone, reddish-purple, brown, yellow-green splotches, massive, soft, recovered as nodules, flakes and fragments.

March 28. Drilled ahead 7-7/8" hole.

Log: 4840 - 4860 Shale
 4860 - 4890 Sandstone. No shows
 4890 - 5000 Shale with occasional thin sandstones

March 29. Reached final depth 5000' at 12 midnight.

WELL NO. 2 RAVEN RIDGE UNIT, Sec. 18-7S-25E, Uintah Co., Utah

March 30. Ran Schlumberger induction-electrical log 4512-4995 and micro-log 4512-4999'. On basis of information available, no oil nor gas productive zones present.

Drill Stem test: Using B and O tools, tail piece to 5000', set bottom packer at 4890, perforations 4864-4889 and two top packers 4860 and 4863. Set tool at 4 p.m. 30 minutes initial closed in, one hour open, 30 minutes final closed in. When tool was opened there was an immediate strong boiling blow in bucket of water. Gradually decreased to medium blow at end of one hour. Recovered 3748' of muddy to clear water. Temperature at 4997 was 123° F.

Pressure recorded as follows:

Hydrostatic: initial 2501#, final 2473#

Shut in: " 1754# " 1701#

Flowing: " 904# " 1657#

March 31. Hung open end drill pipe at 4910'. Pumped in 80 sacks construction cement, calculated to fill hole to 4670'. Equalized cement column. Pulled drill pipe to 2300'. Pumped in 75 sacks construction cement, calculated to fill hole to 2100'.

Equalized cement column.

Pulled drill pipe to 320'. Pumped in 50 sacks construction cement.

Equalized cement column. Pulled drill pipe. Plugs in place 8 a.m.

April 1. Went in hole with open end drill pipe. Cement plug took load of drill pipe at 210'.

Western Drilling Co. expected to take some days to complete tearing out rig.

Arrangements have been made with Ross Construction Company to place cement plug at surface and install 4" pipe marker, 4' above ground, fixed securely in 10-3/4" surface casing and showing Operator, Well no., quarter section, U.S. lease number.

Ross Construction will also clean up surface, fill pits, etc. This work is not expected to be completed prior to 2 or 3 weeks, depending on availability of equipment in vicinity, condition of pits, and ground, etc.

ELMO W. ADAMS
CONSULTING GEOLOGIST
747 WINCHESTER DRIVE
BURLINGAME, CALIFORNIA
DIAMOND 3-6652

April 11, 1960

State of Utah Oil and Gas Conservation Commission
Attention Mr. C. B. Feight
310 Newhouse Bldg., 10 Exchange Place
Salt Lake City 1, Utah

PEXCO, INC. WELL
#2 RAVEN RIDGE

Dear Mr. Feight:

Records on this well have been released to the industry and are not now confidential.

Herewith in duplicate the following record on subject well:

1. Well Log-History and Record of Abandonment
2. Induction-~~electric~~ log and micro-log
3. Mud log

I believe that these will complete the records to be furnished your office except the Affidavit and Record of Abandonment and Plugging, which is being prepared and will be furnished you shortly. These records are for the account of Pexco, Inc., 155 Montgomery Street, San Francisco 4, California and cover Well #2 Raven Ridge Unit, Section 18, Township 7 South, Range 25 East, SLM, Uintah County, Utah.

Sincerely,



Elmo W. Adams

EWA:em
Enclosures

cc: Ed Mays
D. J. Pickrell

APR 14 1960

A. N. BROWN
5TH FLOOR MIDLAND SAVINGS BUILDING
DENVER 2, COLORADO

January 24, 1961

Utah Oil and Gas Conservation Commission'
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Gentlemen:

This well was plugged on March 31, 1960, but it was some time before the rotary was moved off the location; therefore, it was impossible to clean up the location and erect the dry hole marker. This work, however, was recently completed and the well site is now ready for inspection and approval.

We regret the delay in sending this "Affidavit of Plugging and Abandonment".

Yours very truly



E. B. Mays

EBM:ep